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**IN THE UNITED STATES PATENT  
AND TRADEMARK OFFICE**

Serial No. : 10/726,305

Applicants : Hidenori ONO et al.

Filed : December 1, 2003

For : PROCESS FOR PRODUCING AN  
ARTIFICIAL BONE MODEL AND  
AN ARTIFICIAL BONE MODEL  
PRODUCED BY THE PROCESS

Art Unit : 3714

Examiner : Kurt FERNSTROM

Docket No. : 03719/HG

Customer No.: 01933

Confirm. No.: 3097

**NOTICE OF APPOINTMENT:**

**2/24/2005**

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MAIL STOP AMENDMENT

Commissioner for Patents.

P.O. Box 1450

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*Dorothy DeFrancesco*  
Dorothy DeFrancesco

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**INFORMATION DISCLOSURE STATEMENT**

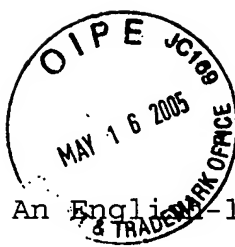
Commissioner for Patents  
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Alexandria, VA 22313-1450

**MAIL STOP ISSUE FEE**

S I R :

Submitted herewith are the following:

(1) A copy of a Japanese Office Action (Notice of Reason(s)  
of Rejection) dated May 11, 2005, which issued in the counterpart  
Japanese application of the above-identified application;



(2) An English-language translation of the Notice of Reason(s) of Rejection;

(3) Copies of the publications cited in said Japanese Office Action, namely JP 2002-067174 and JP 2000-084943, along with English-language abstracts thereof (JP 6-154305, which was cited in the Japanese Office Action, was previously submitted to the USPTO and made of record);

(4) English-language translation of portions of JP 2000-084943;

(5) Correspondence of the cited paragraphs in JP 2002-067174 and the published U.S. counterpart application (US 2002/0029094); and

(6) Form PTO/SB/08A. It is requested that an initialed copy of said Form PTO/SB/08A be returned to the undersigned.

An English-language translation of said Japanese Office Action is provided thereby satisfying the requirements for a concise explanation of relevance for the non-English language publications cited therein (MPEP 609 III A(3)). Also, as discussed above, English-language abstracts are enclosed for each of the cited publications. Moreover, a partial English-language translation is provided herewith for JP 2000-084943 and the cited

JP 2002-067174 has a U.S. published application family member, namely US 2002/0029094, which is identified on the enclosed Form PTO/SB/08A.

Applicants have provided the undersigned with the following information.

(1) In [0007] of JP 2002-067174 (reference 1) ([0010] of US 2002/0029094) it is described that as for an object to be molded of which softness differs depending on the part such as a bone part and a skin part in a human body model and the like, it was impossible to generate a three-dimensional modeled matter faithfully reproducing the feel. The feature of JP 2002-067174 is characterized in that not only the shape of the molding objective, but also the feeling are faithfully duplicated for the three-dimensionally objective by adding feel information to the shape data for the molding objective (see the ABSTRACT of JP 2002-067174). However, JP 2002-067174 does not describe that the shape data are obtained based on tomographic information of a natural bone when cut. It is not possible to reproduce the inner structure of a natural bone by using a displacement sensor 2a in JP 2002-067174.

(2) Item 2(2) of the Notice of Reasons of Rejection states that the use of fine particles is described in references 1 and 2. However, [0111] and [0112] of JP 2002-067174 [0149] and

[0150] of US 2002/0029094 are the portions of the descriptions set forth in [0090] to [0123] of JP 2002-067174 ([0127] to [0161] of US 2002-067174) relating to the Inkjet Molding Method. The fine particles referred to in JP 2002-067174 are fine particles of the thermoplastic resins discharged from the nozzles as droplets of the molten resins, and are not solid powder of synthetic resin or inorganic filler used as the powder material for sintering as disclosed in the present application. Thus, reference 1 fails to disclose the feature of the presently claimed invention.

In [0021] of JP 2000-084943 (reference 2), it is disclosed that organic fillers and inorganic fillers can be added to the said photo curing resin, as required. However, the photo curing resin referred to in [0021] and [0025] of JP 2000-084943 is used as a resin for Stereo Lithography (see the enclosed English-language translation of [0009] of JP 2000-084943), and not as a resin for Selective Laser Sintering Process as disclosed in the present invention. JP 2000-084943 is considered to be quite irrelevant to the scope of the presently claimed invention.

It is respectfully submitted that the presently claimed invention patentably distinguishes over the publications cited herein.

STATEMENT UNDER 37 CFR 1.97(e)(1)

Each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the present Information Disclosure Statement. Said communication bears a mailing date of May 11, 2005. Therefore, the filing of this Information Disclosure Statement is timely under the provisions of 37 CFR 1.97(d).

A check for \$180.00 is enclosed.

It is respectfully requested that the attached publications be considered and made of record.

Respectfully submitted



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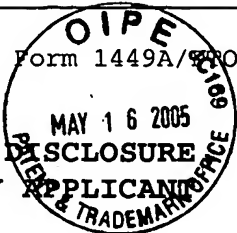
- Encs.: (1) Copy of Japanese Office Action  
dated May 11, 2005, along with an English-language  
translation thereof  
(2) English-language translation of JP 2000-084943  
(3) correspondence of the cited paragraphs in  
JP 2002-067174 and US 2002/0029094  
(4) Form PTO/SB/08A and copies of the Japanese patent  
publications cited therein  
(5) Check for \$180.00

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PTO/SB/08A (08-00)

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Substitute for Form 1449A/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> 				Application Number	10/726,305
				Filed	December 1, 2003
				First Named Inventor	Hidenori ONO
				Group Art Unit	3714
				Examiner Name	Kurt FERNSTROM
Sheet	1	of	1	Attorney Docket Number	03719/HG

### U.S. PATENT DOCUMENTS

Exam. Inits <sup>*</sup>	Cite No <sup>1</sup>	Document Number	Kind Code <sup>2</sup>	Name of Patentee or Applicant	Publication Date MM-DD-YYYY	Relevant Portion
		2002/0029094**	A1	KOREISHI	03-07-2002	

### FOREIGN PATENT DOCUMENTS

Exam Inits <sup>*</sup>	Cite No <sup>1</sup>	Offc <sup>3</sup>	Document Number <sup>4</sup>	Kind Code <sup>5</sup>	Name of Patentee or Applicant	Publication Date MM-DD-YYYY	Relevant Portion	T <sup>6</sup>
		JP	2002-067174	A	MINOLTA CO LTD	03-05-2002		*
		JP	2000-084943	A	TEIJIN CHEM LTD	03-28-2000		*

Examiner Signature		Date Considered	
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\* EXAMINER: Initial if document considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Place a check here if English translation is attached.

DATE MAILED: MAY 16, 2005

\*ENGLISH-LANGUAGE ABSTRACT ENCLOSED

\*US 2002/0029094 is a family member of JP 2002-067174